



## REFERENCES AND CONTACTS

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### Contact Orientation

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## SEAT OF INTERNATIONAL AGREEMENTS

Alcalá de Henares (ES)  
Bordeaux (FR)  
Brno (CZ)  
Danzica (PL)  
Granada (ES)  
Lione (FR)  
Lisbona (PT)  
Madrid (ES)  
Montpellier (FR)  
Münster (DE)  
Porto (PT)  
Praga (CZ)  
Salonicco (GR)  
Santiago de Compostela (ES)  
Valencia (ES)

## Pharmaceutical Chemistry and Technology

### TYPE OF COURSE

Master Degree Single Cycle

### CLASS

LM-13

### CAMPUS

Palermo

### TYPE OF ACCESS

Planned

### QUALIFYING COURSE

yes

### Website

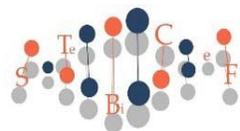
[https://guidastudente.unipa.it/2023/en/corsi\\_di\\_laurea/pharmaceutical-chemistry-and-technology/](https://guidastudente.unipa.it/2023/en/corsi_di_laurea/pharmaceutical-chemistry-and-technology/)

<https://www.unipa.it/dipartimenti/stebicef/cds/chimicaetecnologiafarmaceutiche2013/en/?pagina=insegnamenti>



## WHAT IS THE OBJECTIVE OF THE COURSE? WHAT IS IT? WHAT DOES IT TRAIN FOR?

The Master Degree Single Cycle program has the main objective of training graduates equipped with the necessary scientific basis to operate in the pharmaceutical industry, in every sector of the multidisciplinary process that starts from the design of potentially active molecules and leads to the synthesis, experimentation, recording, production, control and marketing of the drug, according to the rules codified in the Italian and European Pharmacopoeias. Furthermore, it provides the required preparation to practicing the profession of Pharmacist in local and hospital settings and more generally in the consulting, dissemination and distribution of drugs.



## WHAT WILL YOU LEARN?

Master's Degree program, the graduate will acquire:

- ✓ an advanced methodological preparation that will provide the skills to design and synthesize new active compounds and to prepare and control pharmaceutical formulations.
- ✓ the ability to develop and apply protocols for the quality control of pharmaceuticals and healthcare products;
- ✓ the ability to supervise and manage industrial drug production facilities;
- ✓ the ability to analyze natural and synthetic compounds.

The training curriculum includes basic disciplines preparatory to understand the chemical and structural features of active molecules pharmaceutical forms, as well as to study their pharmacological activity. The professionalizing courses include individual workshops for a total of one hundred and twenty hours. Practical-professional training in public, private or affiliated hospital pharmacies is also expected.

## WHAT CAN YOU DO WITH THE MASTER'S DEGREE IN CTF?

- ✓ Key Account Manager;
- ✓ Sales Manager;
- ✓ Researcher and technician in the fields of drug design, synthesis and production, both in the industrial and university fields;
- ✓ Responsible for quality controls in pharmaceutical industries;
- ✓ Pharmacist (Director, collaborator, Hospital);
- ✓ Pharma company salesperson;
- ✓ Operator in chemical and biological laboratories;
- ✓ Analyst in chemical laboratories.

In addition, it is possible to deepen professional preparation with master, PhD courses and specialization schools. The CTF degree is a qualifying course for the profession of Pharmacist, it is not required to pass an examination to be entered in the professional board of Pharmacists. CTF graduates can take the qualification exam for the profession of Chemist and register in the relative professional board.